1		1.	A method of using a smart card, comprising:
2			issuing a smart card to a user;
3			issuing manual authentication information to the user;
4	is.		authenticating the user and the smart card using the manual authentication
5	大か	inforn	mation;
6	U		obtaining a public key from the smart card; and
7			issuing a digital certificate using the public key to the smart card to activate
8		the si	mart card.
9			
10		2.	The method according to claim 1, wherein the manual authentication
1 1		inform	nation comprises a user ID and a password.
71 72 73 74 74			
1 3		3.	The method according to claim 1, further comprising obtaining the digital
<u> 1</u> 4		certifi	icate from a certificate authority.
■5	٠		
₫6	٠.	4.	The method according to claim 1, wherein the authenticating further
可7 可8 口9		comp	rises connecting the smart card to a workstation.
48			
4 9		5.	The method according to claim 1, further comprising storing the digital
20	8	certifi	icate in at least one of the smart card and a workstation.
21	3,		
22	7	6.	The method according to claim 1, further comprising:
23	·		connecting the smart card to a workstation;
24	-		initiating a login request to a server;
25			authenticating the smart card using the digital certificate; and
26			if authenticated, permitting a login to a computer resource.
27			
28		7.	The method according to claim 6, wherein the authenticating further
29		comp	rises connecting the smart card to a workstation, and removing the smart
30		card f	from the workstation after the authenticating.

8. The method according to claim 6, wherein the authenticating further comprises determining that the digital certificate has not been revoked.

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1	9	Amethod of using a smart card, comprising:
2		receiving a smart card;
3		receiving manual authentication information;
4	ĴØ	authenticating the smart card using the manual authentication information;
5	34	generating a public key using the smart card;
6	('	sending the public key to an administration server; and
7		receiving a digital certificate generated using the public key to activate the
8	S	art card.
9		
10	1	The method according to claim 9, wherein the manual authentication
₫1	ir	ormation comprises a user ID and a password.
∯2 □		
4 3	1	The method according to claim 9, further comprising receiving the digital
J 4	C	tificate from a certificate authority.
1 5		
 16	. 1:	The method according to claim 9, wherein the authenticating further
日 7 1 1 8 日 9	C	mprises connecting the smart card to a workstation.
48		· · · · · · · · · · · · · · · · · · ·
= 9	~ <i>)</i> 1:	The method according to claim 9, further comprising storing the digital
20	(A) c	tificate in at least one of the smart card and a workstation.
21	7	
22	1.	The method according to claim 9, further comprising:
23		connecting the smart card to a workstation;
24		sending a login request to a server;
25		authenticating the digital certificate against a certificate revocation list; and
26		if authenticated, permitting a login to a computer resource.
27		
28	1:	The method according to claim 14, wherein the authenticating further
29	C	norises connecting the smart card to a workstation, and removing the smart

30

card from the workstation after sending the digital certificate.

16. The method according to claim 9, wherein the authenticating further comprises determining that the digital certificate has not been revoked.

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1	17. A method of using a smart card, comp
2	connecting the smart card to a worksta
. 3	sending a login request to a server;
4	authenticating a digital certificate for the
5	if authenticated, permitting a login to a
6	
7	18. The method according to claim 17, whe
8	by obtaining a public key from the smart card
9	from a certificate authority.
10	
₫1	19. The method according to claim 17, fur
<u>4</u> 2	certificate from a certificate authority.
學位 學 位 學 位 月 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	
7 4	20. The method according to claim 17,
_ 5	comprises connecting the smart card to a worl
16 17	card from the workstation after authenticating
1 7	
[] []8	21. The method according to claim 17, fu

20

21

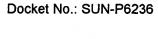
22

•	A method of using a smart card, comprising:
	connecting the smart card to a workstation;
	sending a login request to a server;
	authenticating a digital certificate for the smart card; and
	if authenticated, permitting a login to a computer resource

- ein the digital certificate is obtained and receiving the digital certificate
- ner comprising obtaining the digital
- wherein the authenticating further station, and the removing the smart
- The method according to claim 17, further comprising storing the digital certificate in at least one of the smart card and a workstation.
- 22. The method according to claim 17, wherein the authenticating further comprises determining that the digital certificate has not been revoked.

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1	23 A method of using a smart card, comprising:
2	issuing a smart card to a user;
3	ssuing manual authentication information to the user, the manual
4	authentication information comprising a user ID and a password;
5	on first use of the smart card:
6	connecting the smart card to a workstation;
7	authenticating the user and the smart card using the manual
8	authentication information;
9	obtaining a public key from the smart card; and
10	sending a digital certificate generated using the public key from a
Ū	certificate authority to the smart card to activate the smart card.
12	on a subsequent use of the smart card:
13	connecting the sinart card to a workstation;
14	sending a login request to a server;
	authenticating the digital certificate against a certificate revocation list
1 6	to determine that the digital certificate has not been revoked; and
7 7	if authenticated, permitting a login to a computer resource.
18	
4 9	24. The method according to claim 23, wherein the authenticating further
20	comprises connecting the smart card to a workstation, and the removing the smart
21	card from the workstation after authenticating.
22	
23	25. The method according to claim 23, further comprising storing the digital
24	certificate in at least one of the smart card and a workstation.



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